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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/779,553	02/09/2001	Bengt Lindoff	040071-266	6158
21839 7	7590 04/02/2004		EXAMINER	
BURNS DOANE SWECKER & MATHIS L L P POST OFFICE BOX 1404			HA, DAC V	
ALEXANDRIA, VA 22313-1404			ART UNIT	PAPER NUMBER
	•		2634	5

DATE MAILED: 04/02/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Applicant(s)			
LINDOFF ET AL.			
Art Unit			
2634			
sheet with the correspondence address			
RE 3 MONTH(S) FROM er, may a reply be timely filed num of thirty (30) days will be considered timely. X (6) MONTHS from the mailing date of this communication. Decome ABANDONED (35 U.S.C. § 133). The even if timely filed, may reduce any			
esponsive to communication(s) filed on <u>09 February 2001</u> . nis action is FINAL .			
al matters, prosecution as to the merits is			
35 C.D. 11, 453 O.G. 213.			
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abeyance. See 37 CFR 1.85(a).			
drawing(s) is objected to. See 37 CFR 1.121(d).			
ttached Office Action or form PTO-152.			
J.S.C. § 119(a)-(d) or (f).			
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DETAILED ACTION

Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 1, 8-14, 21-28 are rejected under 35 U.S.C. 103(a) as being unpatentable over Dam (US 6,223,040) in view of Skold et al. (US 5,933,768) (hereinafter Skold).

Regarding claim 1, Dam teaches the claimed subject matter "receiving the received signal ... co-channel interferer burst" in Figure 2; Col. 5, line 37 to Col. 6, line 11; Col. 10, line 19 to Col. 12, line 15. Dam differs from the claimed invention in that Dam does not teach the claimed subject matter "selecting a detection ... interferer burst". However, in the same field of endeavor, Skold teaches a method for selective detecting the received signal based upon a certain criteria between the desired signal and the interferer (Col. 3, lines 55-67; Col. 11, line 47 to Col. 12, line 32). Dam doesn't teaches a particular method for "selecting a detection procedure based on the time offset", however, Dam explicitly provides a guide line for planning based on at least the "time offset" so as to ensure the accuracy of detecting the desired signal in the presence of co-channel interference. Therefore, it would have been obvious to a person of ordinary skill in the art at the time of the invention to incorporate the teaching

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of selective detecting the desired signal in the presence of the co-channel interference taught by Skold into Dam to further assure correct detection of the desired signal.

Regarding claim 14, see claim 1 above.

Regarding claim 8, Skold further suggests the teaching of the claimed subject matter "selecting ... desired burst" in Col. 4, lines 42-58; Col. 12, lines 5-32.

Regarding claim 9, Dam further teaches the claimed subject matter "wherein ... interferer" in Figure 2; Col. 5, line 61 to Col. 6, line 11.

Regarding claim 10, Dam further suggests the teaching of the claimed subject matter "wherein ... arrival" in Figure 2; Col. 5, line 61 to Col. 6, line 11.

Regarding claim 13, Dam further teaches the claimed subject matter "detecting ... received signal" in Figure 2. Consequently, the claimed subject matter "selecting ... burst" would have been understood by one skilled in the art.

Regarding claim 11, the claimed subject matter "wherein ... correlation" would have been optional to one skilled in the art.

Regarding claim 12, the claimed subject matter "detecting ... interferer" would have been obvious to one skilled in art since modulation detection is needed in demodulation process at receiving end.

Regarding claims 21-25, 28, see claims 8-13 above, respectively.

Regarding claim 26, Dam further teaches the claimed subject matter "wherein ... receiver" in Abstract; Col. 3, lines 58-64.

Regarding claim 27, Dam further teaches the claimed subject matter "wherein ... receiver" in Col. 3, lines 25-26.

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Allowable Subject Matter

3. Claims 2-7 and 15-19 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Barany et al. (US 6,256,486) disclose a Method And Apparatus For Measuring Co-Channel Interference.

Ariyavisitakul et al. (US 5,222,101) disclose a phase Equalizer For TDMA Portable Radio Systems.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dac V. Ha whose telephone number is 703-306-5536. The examiner can normally be reached on 5/4.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Chin can be reached on 703-305-4714. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

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Dac V. Ha Examiner Art Unit 2634